

APPENDIX A
CLEAN VERSION OF PENDING CLAIMS AFTER ENTRY OF AMENDMENT

1. [AMENDED] A method for eliciting a compound having therapeutic activity from a plant or plant part, comprising the steps of:
 - a) contacting a living, intact plant or plant part with an amount of acetic acid effective to induce the production of the compound from the plant or plant part; and
 - b) recovering the compound from the plant or plant part into an aqueous medium.
2. [AMENDED] The method of claim 1, wherein the plant or plant part is contacted with acetic acid in a concentration of about 0.1% (v/v) acetic acid.
3. [AMENDED] The method of claim 1, wherein the compound is recovered from an extract or exudate of the plant or plant part into the aqueous medium.
4. [AMENDED] The method of claim 1, wherein the aqueous medium is water.
6. [AMENDED] The method of claim 3, wherein the extracting further comprises macerating the plant or plant parts in an aqueous medium.
11. [AMENDED] The method of claim 3, wherein the step of extracting the compounds comprises removing cuticular material located on the surface of a leaf by contacting the leaf surface with a solvent.
12. [AMENDED] The method of claim 1, wherein the aqueous medium is a liquid medium or an agar medium.
13. The method of claim 11, wherein the cuticular material is selected from the group consisting of lipid, wax, cutin, protein, primary metabolite and secondary metabolite.
14. The method of claim 13, wherein the cuticular material is a wax.
15. The method of claim 11, wherein the solvent is an organic solvent.
16. The method of claim 15, wherein the organic solvent is selected from the group consisting of methylene chloride and chloroform.

17. [AMENDED] The method of claim 11, further comprising assaying the solvent for therapeutic activity.

18. [AMENDED] The method of claim 17, further comprising analyzing the solvent to identify an agent which has the therapeutic activity.

19. The method of claim 17, wherein the therapeutic activity is selected from the group consisting of anti-microbial activity and anti-cancer activity.

20. [AMENDED] The method of claim 19, wherein the anti-microbial activity is selected from the group consisting of anti-bacterial activity and anti-fungal activity.

21. [AMENDED] The method of claim 17, wherein the step of assaying the solvent further comprises contacting the solvent with a medium containing a living microorganism and determining the rate of growth of the microorganism, whereby an inhibition of the growth of the microorganism is indicative of a compound or component in the solvent having therapeutic activity.

22. [AMENDED] The process of claim 1, wherein the plant or plant part is obtained from a plant of a species selected from the group consisting of *Atropa Belladonna*, *Erythrina flabelliformis*, *Ipomoea tricolor*, *Erythrina crista*, *Celosia cristata*, *Gallium spurium*, *Laurus nobilis*, *Vitis labrusca*, *Gratiola officinalis*, *Symphitum officinalis*, *Hosta fortunei*, *Cassia hebecarpa*, *Thalictrum flavum*, *Scutellaria altissima*, *Portulacca oleracea*, *Scutellaria certicola*, *Physalis cretica*, *Geum fauriei*, *Gentiana tibetica*, *Linum hirsutum*, *Aconitum napellus*, *Podophyllum emodii*, *Thymus cretaceus*, *Hosta fortunei*, *Carlina acaulis*, *Chamaechaenactis fasciculata*, *Pinus pinea*, *Pegamum hamalis*, *Amarindus india*, *Carica papaya*, *Cistus incanus*, *Capparis spinosa inermis*, *Cupressus lusitanica*, *Diopis kakia*,
10 *Eryngium campestre*, *Aesculus woerlitzensis*, *Aesculus hippocastanum*, *Cupressus sempervirens*, *Celtis occidentalis*, *Polygonum cuspidatum*, *Elaeagnus angustifolia*, *Elaeagnus commutata*, *Gentiana macrophylla*, *Brassica rapa*, *Sesbania exaltata*, *Sesbania speciosa*, *Spartina potentiflora*, *Brassica juncea*, *Helianthus annuus*, *Poinsettia*, *Pelargonium zonale*, *Leontopodium alpinum*, *Lupinus luteus*, *Buxus microphylla*, *Liatris spicata*, *Primula japonica*, *Betula nigra*, *Filipendula vulgaris*, *Lobelia siphilitica*, *Grevillea robusta*, *Reseda*
11 *luteola*, *Gentiana littoralis*, *Campanula carpatica*, *Aesculus hippocastanum*, *Aesculus*
12 *woerlitzensis*, *Ageratum conyzoides*, *Psidium guajava*, *Ailanthus altissima*, *Buxus microphylla japonica*, *Hydrocotyle asiatica*, *Grevillea robusta*, *Brugmansia suaveolens*, *Thymus*

1 9 *pulegiodes*, *Thymus lema-barona*, *Gaultheria procumbens*, *Thymus serpyllum*, *Thymus*
 2 *carnosus*, *Thymus thracicus*, *Calycanthus floridus*, *Zingiber officinalis*, *Lamium dulcis*
argenteus, *Thymus praecox articus*, *Thymus pulegioides*, *Thymus speciosa*, *Thymus*
pseudolamginosus, *Thymus vulgraris*, *Ficus religiosa*, *Forsythia suspensa*, *Chelidonium*
 24 *majus*, *Thymus wooly*, *Thymus portugalense*, *Nicotiana tabacum*, *Thymus eytridorus aureus*,
Cactus officinalis, *Lal lab purpurea*, *Juglans regia*, *Actinidia chinensis*, *Hemerocallis*, *Betula*
pendula, *Gardenia jasminoides*, *Taxodium distichum*, *Magnolia loebherii*, *Crataegus*
praegophyrum, *Larix deciduas*, *Thuja occidentalis*, *Thuja orientalis*, *Cupressocyparis*
leylandii, *Pseudotsuga menziesii*, *Abies firma*, *Parthenocissus quinquefolia*, *Allium cernum*,
Juniperus conferta, *Taraxacum officinalis*, *Yucca*, *Ilexaquifolium*, *Tsuga canadensis penola*,
Ilex cornuta, *Taxus hiksii*, *Taxus media*, *Metasequoia glyptostroboides*, *Pinus bungiana*,
Buxus sempervirens, *Stewartia koreana*, *Prunus*, *Betula dahurica*, *Plantago minor*, *Acer*
palmatum, *Acer campestre*, *Cotynus coggygia*, *Quercus robur*, *Acer truncatum*, *Achyranthes*
bidentata, *Allium japonicum*, *Carum capsicum*, *Agastache mexicana*, *Prunella vulgaris*,
Tagetes minuta, *Prunella vulgaris*, *Nepeta cataria*, *Ratibida columnifera-fera*, *Aster-Nova*
anglicae, *Myrica cerifera*, *Pittosporum tobira*, *Taxodium distichum*, *Plantago major*, *Pinus*
sylvestris, *Acorus canadensis*, *Pieris japonica*, *Pinus strobes*, *Trifolium pretense*, *Prunus*
serotica, *Datura stramonium*, *Geranium maculate*, *Hydrocotyle asiatica*, *Taxodium*
distichum, *Astragalus sinicus*, *Centauria maculate*, *Ruschia indurate*, *Myrthus communis*,
Platanus occidentalis, *Licium barbatum*, *Lavandula officinalis*, *Grevillea robusta*, *Hippophaë*
ramnoides, *Filipendula ulmaria*, *Betula pendula*, *Polygonum odoratum*, *Brugmansia*
gravcolens, *Rhus toxicodonta*, *Armoracia rusticana*, *Ficus benjaminii*, *Sluffera*, *Pelagonium*
zonale, *Allium*, *Asimina trilobla*, *Lippa dulcis*, *Epilobium agustifuolium*, *Brugmansia*
suavecolens, *Xanthosoma sagittifolium*, *Monstera deliciosa*, *Aglaonema commutatus*,
Dieffenbachia leopoldii, *Anthurium andreanum*, *Syngonium podophyllum*, *Dracaena*
fragrans, *Ananas comosus*, *Strelitzia reglinae*, *Diffenbachia segiunae*, *Syngonium aurutum*,
Dracaena, *haemanthus katharina*, *Anthurium altersianum*, *Spathiphyllum grandiflorum*,
Spathiphyllum cochlearispatum, *Monstera pertusa*, *Anthurium magnificum*, *Anthurium*
hookeri, *Anthurium elegans*, *Calathea zebrine*, *Yucca elephantipes*, *Bromelia balansae*, *Musa*
textiles, *Myrthus communis*, *Olea olcaster*, *Olea europaea*, *Verium oleander*, *Cocculus*
laurifolius, *Microsorium punctatum*, *Ficus*, *Senseviera*, *Adansonia digitata*, *Boechimeria*
boloba, *Piper nigrum*, *Phymatosorus scolopendria*, *Turnera ulmifolia*, *Nicodemia diversifolia*,
Tapeinochilos spectabilis, *Rauwolfia tetraphylla*, *Ficus elastica*, *Cycas cirinalis*, *Caryota*
ureus, *Cynnamonum zeylonicum*, *Aechmea luddemoniana*, *Foenix seulongica*, *Ficus*

benjamina, Ficus pumila, Murraya exotica, Trevesia sungaica, Clerodendrum speciosissimum, Actinidi colonicta, Paeonia lactiflora, Paeonia suffructicosa, Quercus imbricaria, Iris alida, Portulacca olleracea, Poligonum aviculare, Iris pseudocarpus, Allium nutans, Allium fistulosum, Antericum ramosum, Veratrum nigrum, Polygonum latifolia, Hosta lancefolia, Hosta zibalda, Echinops sphae, Paeonia dahurica, Inula hilenium, Trambe pontica, Digitalis lutea, Bactisia australis, Austolachia australis, Hissopus zeraucharicus, Feucrium ham. edris., Sedum album, Heraclelum pubescens, Origanum vulgare, Cachris alpina, Haser trilobum, Matteuccia struthiopteris, Sedum telchium, Bocconia cordata, Ajuga reptans, Thalictrum minus, Anemona japonica, Clematis rectae, Thalictrum, Alchemilla, Potentilla alba, Poterium sangiusorba, Menispermum dauricum, Oxybaphus nyctagineus, Armoracea rusticana, Crambe cordifolia, Arimonia eupatora, Anchusa officinalis, Plymonium ceruleum, Valeriana officinalis, Pulmonaria molissima, Stachys lanata, Coronilla varia, Platycarya grandiflora, Lavandula officinalis, Vincetoxicum officinale, Acalypha hispida, Gnetum gnemon, Psychotria nigropunctata, Psychotria metbacteriodomasica, Codiaeum variegatum, Phyllanthus grandifolius, Pterigota alata, Pacyra affinis, Sterculia elata, Philodendron speciosum, Pithecellobium unguis-cati, Sanchezia nobilis, Oreopanax capitatus, Ficustriangularis, Kigelia pinnata, Piper cubeba, Laurus nobilis, Erythrina caffra, Metrosideros excelsa, Osmanthus fragrans, Cupressus sempervirens, Jacobinia, Senecio platyphylloides, Livistona chinensis, Tetraclinis articulate, Eucalyptus rudis, Podocarpus spinulosus, Eriobotrya japonica, Ginkgo biloba, Rhododendron, Thuja occidentalis, Fagopyrum suffruticosum, Geum macrophyllum, Magnolia kobus, Vinca minor, Convallaria majalis, Corylus avellana, Berberis, Rosa multiflora, Ostrya carpinifolia, Ostrya connogea, Quercus rubra, Liriodendron tulipifera, Sorbus aucuparia, Betula nigra, Castanea sativa, Bergeia crassifolia, Artemisia dracunculus, Ruta graveolens, Quercus nigra, Schisandra chinensis, Betula alba, Sambucus nigra, Gentiana cruciata, Encephalartos horridus, Phlebodium aureum, Microlepis platyphylla, Ceratozamia mexicana, Stenochlaena tenuifolia, Adiantum trapeziforme, Adiantum raddianum, Lygodium japonicum, Pessopteris crassifolia, Asplenium australasicum, Agathis robusta, Osmunda regalis, Osumdastrum claytonianum, Phyllitis scolopendrium, Polystichum braunii, Crtomium fortunei, Dryopteris filix-mas, Equisetum variegatum, Athyrium nipponicum, Athyrium filix-femina, Parthenocissus tricuspidata, Ligusticum vulgare, Chamaeciparis pisifera, Rosa canina, Cotinus coggygia, Pinus strobes, Celtis occidentalis, Picca schrenkiana, Cydonia oblonga, Ulmus pumila, Euonymus verrucosus, Deutzia scabra, Mespilus germanica, Quercus castaneifolia, Euonymus europea, Securinega suffruticosa, Koelreuteria paniculata, Syringa

josikaea, *Zelkova carpinifolia*, *Abies cephalonica*, *Taxus baccata*, *Taxus cuspidate*, *Salix babylonica*, *Thuja occidentalis*, *Actinidia colomicta*, *Mahonia aquifolium*, *Aralia mandschurica*, *Juglans nigra*, *Euonymus elata*, *Prinsepia sinensis*, *Forsythia europaea*, *Sorbocotoneaster pozdnjakovii*, *Morus alba*, *Crataegus macrophyllum*, *Eucommia ulmifolia*, *Sorbus commixta*, *Philodendron amurense*, *Cornus mas*, *Kerria japonica*, *Parrotia persica*, *Jasminum fruticans*, *Swida sanguinea*, *Pentaphylloides fruticosa*, *Sibiraea altaiensis*, *Cerasus japonica*, *Kolkwitzia amabilis*, *Amigdalus nana*, *Acer mandschurica*, *Salix tamarisfilia*, *Amelanchier spicata*, *Cerasus mahaleb*, *Prunus cerasifera*, *Corylus avellana*, *Acer tataricum*, *Viburnum opulus*, *Syringa vulgaris*, *Fraxinus excelsior*, *Quercus trojana*, *Chaenomelis superba*, *Pinus salinifolia*, *Berberis vulgaris*, *Cotoneaster horisontalis*, *Cotoneaster fangianus*, *Fagus sylvatica*, *Pinus pumila*, *Pinus sylvestris* and *Berberis thunbergii*.

23. [AMENDED] A method of preparing a composition having therapeutic activity, comprising the steps of:

(a) contacting a living, intact plant or plant part with an amount of acetic acid effective to induce the production of a compound or component having therapeutic activity from the plant or plant part; and

(b) collecting the composition comprising the compound or component.

24. The method of claim 23, wherein the composition is collected by macerating the plant or plant parts in an aqueous medium.

25. The method of claim 23, wherein the composition is collected by contacting a surface of the plant or plant parts with a solvent suitable for removing cuticular or epicuticular material.

26. [AMENDED] The method of claim 23, wherein the amount of acetic acid is about 0.1% (v/v) acetic acid.